

=> s botulin## neurotoxin#
L1 1760 BOTULIN## NEUROTOXIN#

=> s l1 (20a) (serotype A or BoNT/A)
SAVED ANSWER SET NAME MAY NOT BE USED IN QUERIES 'BONT/A'
Saved answer sets must be activated before they are used in search profiles. This must be done in the same file in which they were created. Use the FILE command to change files if necessary, then enter "ACTIVATE" followed by the saved name (including /A) at an arrow prompt (=>). Use the L# assigned to the answer set in your search profile.

=> s l1 (20a) (serotype A)
3 FILES SEARCHED...
L2 89 L1 (20A) (SEROTYPE A)

=> s l2 (20a) (half life or t1/2)
'2' IS NOT A VALID FIELD CODE
'2' IS NOT A VALID FIELD CODE
'2' IS NOT A VALID FIELD CODE
'2' IS NOT A VALID FIELD CODE
L3 0 L2 (20A) (HALF LIFE OR T1/2)

=> s l2 (20a) (half life or t1##)
L4 0 L2 (20A) (HALF LIFE OR T1##)

=> s l2 and half life
L5 1 L2 AND HALF LIFE

=> d

L5 ANSWER 1 OF 1 PCTFULL COPYRIGHT 2002 Univentio
AN 2000028041 PCTFULL ED 20020515
TIEN DELIVERY OF SUPEROXIDE DISMUTASE TO NEURONAL CELLS
TIFR APPORT DE SUPEROXYDE-DISMUTASE AUX CELLULES NEURONALES
IN SHONE, Clifford, Charles; SUTTON, John, Mark; HALLIS, Bassam; SILMAN, Nigel
PA MICROBIOLOGICAL RESEARCH AUTHORITY; SHONE, Clifford, Charles; SUTTON, John, Mark; HALLIS, Bassam; SILMAN, Nigel
LA English
DT Patent
PI WO 2000028041 A1 20000518
DS AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 1999-GB3699 A 19991105
PRAI GB 1998-9824282.9 19981105
ICM C12N015-53
ICS C12N015-62; C12N009-02; A61K038-44; A61K048-00; C07K014-33; A61K039-08

=> duplicate remove
ENTER L# LIST OR (END):12
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L2
L6 60 DUPLICATE REMOVE L2 (29 DUPLICATES REMOVED)

=> d 1-60

L6 ANSWER 1 OF 60 USPATFULL
AN 2002:301183 USPATFULL
TI Recombinant light chains of botulinum neurotoxins and light chain fusion
proteins for use in research and clinical therapy
IN Smith, Leonard, Clarksburg, MD, UNITED STATES
Jensen, Melody, Frederick, MD, UNITED STATES
PI US 2002168727 A1 20021114
AI US 2001-11588 A1 20011106 (10)
RLI Continuation-in-part of Ser. No. US 2001-910186, filed on 20 Jul 2001,
PENDING Continuation of Ser. No. US 2000-611419, filed on 6 Jul 2000,
PENDING Continuation of Ser. No. US 1993-123975, filed on 21 Sep 1993,
ABANDONED
PRAI US 1999-133866P 19990512 (60)
US 1999-133868P 19990512 (60)
US 1999-133869P 19990512 (60)
US 1999-133865P 19990512 (60)
US 1999-133873P 19990512 (60)
US 1999-133867P 19990512 (60)
US 2000-246774P 20001106 (60)
US 2001-311966P 20010809 (60)
DT Utility
FS APPLICATION
LN.CNT 4861
INCL INCLM: 435/069.300
INCLS: 435/252.330; 435/254.200
NCL NCLM: 435/069.300
NCLS: 435/252.330; 435/254.200
IC [7]
ICM: C12P021-02
ICS: C12N001-21; C12N001-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 60 USPATFULL
AN 2002:60687 USPATFULL
TI BOTULINUM NEUROTOXIN VACCINE
IN LEE, JOHN SCOTT, HAGERSTOWN, MD, UNITED STATES
PUSHKO, PETER, FREDERICK, MD, UNITED STATES
SMITH, JONATHAN F., SABILLASVILLE, MD, UNITED STATES
PARKER, MICHAEL, FREDERICK, MD, UNITED STATES
DERTZBAUGH, MARK T., FAIRFIELD, PA, UNITED STATES
SMITH, LEONARD, CLARKSBURG, MD, UNITED STATES
PI US 2002034521 A1 20020321
US 6495143 B2 20021217
AI US 1999-350756 A1 19990709 (9)
PRAI US 1998-92416P 19980710 (60)
US 1999-133870P 19990512 (60)
DT Utility
FS APPLICATION
LN.CNT 1303
INCL INCLM: 424/247.100
NCL NCLM: 424/199.100
NCLS: 424/201.100; 424/247.100; 435/069.100; 435/069.300; 435/320.100;
435/235.100; 435/325.000; 435/252.300; 514/044.000
IC [7]
ICM: A61K039-02
ICS: A61K039-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 60 PCTFULL COPYRIGHT 2002 Univentio
AN 2002089834 PCTFULL ED 20021121 EW 200246

TIEN BONT/E OR SNAP-25E FOR T TING BOTULINUM TOXIN A OR C1 P ONING AND
 INHIBITING MUSCLE CONTRACTION
 TIFR BONT/E OU SNAP-25 UTILISES POUR TRAITER UNE INTOXICATION A LA TOXINE
 BOTULIQUE A OU C1 ET INHIBER LA CONTRACTION MUSCULAIRE
 IN LISK, Godfrey; FORAN, Patrick; MEUNIER, Frederic, Andre; DOLLY, James,
 Oliver; O'SULLIVAN, Gregory
 PA IMPERIAL COLLEGE INNOVATIONS LIMITED, for all designates States except
 US; LISK, Godfrey, for US only; FORAN, Patrick, for US only; MEUNIER,
 Frederic, Andre, for US only; DOLLY, James, Oliver, for US only;
 O'SULLIVAN, Gregory, for US only
 AG MILES, John, S.
 LAF English
 LA English
 DT Patent
 PI WO 2002089834 A1 20021114
 DS AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK
 SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ
 UG ZM ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE
 IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 AI WO 2002-GB2087 A 20020507
 PRAI GB 2001-0111146.7 20010504
 ICM A61K038-48
 ICS A61K038-17; A61K039-08; A61P021-02; A61P031-04

L6 ANSWER 4 OF 60 PCTFULL COPYRIGHT 2002 Univentio
 AN 2002072786 PCTFULL ED 20020927 EW 200238
 TIEN NUCLEIC ACID MOLECULES ENCODING A TRANSMEMBRANE SERINE PROTEASE 7, THE
 ENCODED POLYPEPTIDES AND METHODS BASED THEREON
 TIFR MOLECULES D'ACIDES NUCLEIQUES CODANT POUR UNE SERINE PROTEASE
 TRANSMEMBRANAIRE 7, POLYPEPTIDES CODES ET PROCEDES ASSOCIES
 IN MADISON, Edwin, L.; ONG, Edgar, O.
 PA CORVAS INTERNATIONAL, INC., for all designates States except US;
 MADISON, Edwin, L., for US only; ONG, Edgar, O., for US only
 AG SEIDMAN, Stephanie, L.
 LAF English
 LA English
 DT Patent
 PI WO 2002072786 A2 20020919
 DS AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
 SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW GH GM KE LS MW MZ SD
 SL SZ TZ UG ZM ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
 GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN
 TD TG
 AI WO 2002-US7903 A 20020313
 PRAI US 2001-60/275,592 20010313

L6 ANSWER 5 OF 60 PCTFULL COPYRIGHT 2002 Univentio
 AN 2002036758 PCTFULL ED 20020523 EW 200219
 TIEN RECOMBINANT LIGHT CHAINS OF BOTULINUM NEUROTOXINS AND LIGHT CHAIN FUSION
 PROTEINS FOR USE IN RESEARCH AND CLINICAL THERAPY
 TIFR CHAINES LEGERES RECOMBINEES DE NEUROTOXINES DE BOTULINUM ET PROTEINES DE
 FUSION A CHAINES LEGERES A UTILISER DANS LA RECHERCHE ET LA THERAPIE
 CLINIQUE
 IN SMITH, Leonard, A.; JENSEN, Melody
 PA UNITED STATES ARMY MEDICAL RESEARCH AND MATERIAL COMMAND
 AG SEIDE, Rochelle, K.
 LAF English
 LA English
 DT Patent
 PI WO 2002036758 A2 20020510
 DS AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
 SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ
 UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT

LU MC NL PT SE TR BF BJ C CG CI CM GA GN GQ GW ML MR NE : TD TG
 AI WO 2001-US47230 A 20011106
 PRAI US 2000-60/246,774 20001106
 US 2001-09/910,186 20010720
 US 2001-60/311,966 20010809
 ICM C12N009-00

L6 ANSWER 6 OF 60 PCTFULL COPYRIGHT 2002 Univentio
 AN 2002025284 PCTFULL ED 20020701 EW 200213
 TIEN HIGH THROUGHPUT ASSAYS FOR THE PROTEOTYTIC ACTIVITIES OF CLOSTRIDIAL
 NEUROTOXINS
 TIFR TESTS DE DETECTION RAPIDE DES ACTIVITES PROTEOLYTIQUES DES NEUROTOXINES
 CLOSTRIDIALES
 IN SCHMIDT, James, J.; STAFFORD, Robert, G.
 PA U.S. MEDICAL RESEARCH INSTITUTE OF INFECTIOUS DISEASES, for all
 designates States except US; SCHMIDT, James, J., for US only; STAFFORD,
 Robert, G., for US only
 AG ARWINE, Elizabeth
 LAF English
 LA English
 DT Patent
 PI WO 2002025284 A2 20020328
 DS AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
 HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
 NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM
 KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE
 DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GQ GW
 ML MR NE SN TD TG
 AI WO 2001-US30188 A 20010925
 PRAI US 2000-60/235,050 20000925
 ICM G01N033-569

L6 ANSWER 7 OF 60 MEDLINE
 AN 2002124223 MEDLINE
 DN 21848602 PubMed ID: 11858873
 TI Genetic and immunological comparison of anti-botulinum type A antibodies
 from immune and non-immune human phage libraries.
 AU Amersdorfer Peter; Wong Cindy; Smith Theresa; Chen Steven; Deshpande
 Sharad; Sheridan Robert; Marks James D
 CS Department of Anesthesia and Pharmaceutical Chemistry, San Francisco
 General Hospital, University of California, San Francisco Rm 3C-38, 1001
 Potrero Avenue, San Francisco, CA 94110, USA..
 peter_amersdorfer@corvas.com
 SO VACCINE, (2002 Feb 22) 20 (11-12) 1640-8.
 Journal code: 8406899. ISSN: 0264-410X.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200209
 ED Entered STN: 20020223
 Last Updated on STN: 20020928
 Entered Medline: 20020927

L6 ANSWER 8 OF 60 MEDLINE
 AN 2002391589 MEDLINE
 DN 22135556 PubMed ID: 12140005
 TI Botulinum neurotoxin serotypes A and C do not affect motor units survival
 in humans: an electrophysiological study by motor units counting.
 AU Eleopra Roberto; Tugnoli Valeria; Quatraro Rocco; Gastaldo Ernesto;
 Rossetto Ornella; De Grandis Domenico; Montecucco Cesare
 CS Department of Clinical Neuroscience, Neurology Section, S. Anna University
 Hospital, corso Giovecca 203, Ferrara, Italy.. releopra@global.it
 SO CLINICAL NEUROPHYSIOLOGY, (2002 Aug) 113 (8) 1258-64.
 Journal code: 100883319. ISSN: 1388-2457.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals

EM 200209
ED Entered STN: 20020726
Last Updated on STN: 20020921
Entered Medline: 20020920

L6 ANSWER 9 OF 60 MEDLINE DUPLICATE 3
AN 2002484678 MEDLINE
DN 22231674 PubMed ID: 12270602
TI Recovery of intracellular recombinant proteins from the yeast *Pichia pastoris* by cell permeabilization.
AU Shepard Scot R; Stone Charmaine; Cook Susan; Bouvier Anne; Boyd Gregory; Weatherly Gresham; Lydiard Debra; Schrimsher Jeffrey
CS Diosynth RTP, Inc, 3000 Weston Parkway, Cary, NC 27513, USA..
scot.shepard@diosynth-rtp.com
SO JOURNAL OF BIOTECHNOLOGY, (2002 Oct 23) 99 (2) 149-60.
Journal code: 8411927. ISSN: 0168-1656.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200211
ED Entered STN: 20020925
Last Updated on STN: 20021213
Entered Medline: 20021115

L6 ANSWER 10 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:570932 BIOSIS
DN PREV200200570932
TI Enzymatic autocatalysis and catalysis of botulinum A neurotoxin.
AU Ahmed, S. A. (1); Smith, L. A. (1)
CS (1) USAMRIID, Fort Detrick, MD USA
SO Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 49. <http://www.asmta.org/mtgsrsrc/generalmeeting.htm>. print.
Meeting Info.: 102nd General Meeting of the American Society for Microbiology Salt Lake City, UT, USA May 19-23, 2002 American Society for Microbiology
. ISSN: 1060-2011.
DT Conference
LA English

L6 ANSWER 11 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:520054 BIOSIS
DN PREV200200520054
TI Expression and purification of botulinum neurotoxin fragments to be used in re-targeting to non-neuronal cells.
AU O'Brien, S. M. (1); Wayne, J. M. (1); Scott-Tucker, A. (1); Nute, E. M. (1); Purkiss, J. R. (1); Chaddock, J. A. (1); Shone, C. C. (1); Foster, K. A. (1)
CS (1) Centre for Applied Microbiology and Research, Porton Down, Salisbury, Wiltshire, SP4 0JG UK
SO Naunyn-Schmiedeberg's Archives of Pharmacology, (June, 2002) Vol. 365, No. Supplement 2, pp. R32. print.
Meeting Info.: International Conference on Basic and Therapeutic Aspects of Botulinum and Tetanus Toxins Hannover, Germany June 08-12, 2002
ISSN: 0028-1298.
DT Conference
LA English

L6 ANSWER 12 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2002:332496 BIOSIS
DN PREV200200332496
TI Identification of the ganglioside binding site in botulinum neurotoxins serotype A and B.
AU Rummel, A. (1); Bade, S. (1); Alves, J.; Bigalke, H.; Binz, T. (1)
CS (1) Institute fuer Physiologische Chemie, Medizinische Hochschule Hannover, Carl-Neuberg-Str.1, 30625, Hannover Germany
SO Naunyn-Schmiedeberg's Archives of Pharmacology, (March, 2002) Vol. 365, No. Supplement 1, pp. R9. print.

Meeting Info.: 43rd Spring Meeting of the German Society for Experimental
and Clinical Pharmacology and Toxicology Mainz, Germany March 12-14, 2002
ISSN: 0028-1298.

DT Conference
LA English

L6 ANSWER 13 OF 60 MEDLINE DUPLICATE 4
AN 2001308682 MEDLINE
DN 21201200 PubMed ID: 11278807
TI The role of the synaptic protein snap-25 in the potency of botulinum
neurotoxin type A.
AU Keller J E; Neale E A
CS Laboratory of Developmental Neurobiology, NICHD, National Institutes of
Health, Bethesda, Maryland 20892, USA.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Apr 20) 276 (16) 13476-82.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010604
Last Updated on STN: 20010604
Entered Medline: 20010531

L6 ANSWER 14 OF 60 MEDLINE DUPLICATE 5
AN 2001454861 MEDLINE
DN 21391834 PubMed ID: 11500447
TI Candidate vaccine against botulinum neurotoxin
serotype A derived from a Venezuelan equine encephalitis
virus vector system.
AU Lee J S; Pushko P; Parker M D; Dertzbaugh M T; Smith L A; Smith J F
CS Virology Division, U.S. Army Medical Research Institute of Infectious
Diseases, Fort Detrick, Frederick, Maryland 21702-5011, USA.
John.Lee@det.amedd.army.mil
SO INFECTION AND IMMUNITY, (2001 Sep) 69 (9) 5709-15.
Journal code: 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200109
ED Entered STN: 20010814
Last Updated on STN: 20010917
Entered Medline: 20010913

L6 ANSWER 15 OF 60 MEDLINE DUPLICATE 6
AN 2001312467 MEDLINE
DN 21279559 PubMed ID: 11384718
TI Correlation of cleavage of SNAP-25 with muscle function in a rat model of
Botulinum neurotoxin type A induced paralysis.
AU Jurasinski C V; Lieth E; Dang Do A N; Schengrund C L
CS Department of Pediatrics H085, The Pennsylvania State University College
of Medicine, Hershey, PA17033, USA.
NC 5 F32 NS 10600-02 (NINDS)
NS35653 (NINDS)
SO TOXICON, (2001 Sep) 39 (9) 1309-15.
Journal code: 1307333. ISSN: 0041-0101.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010820
Last Updated on STN: 20010820
Entered Medline: 20010816

L6 ANSWER 16 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 2001:536367 BIOSIS

DN PREV200100536367
 TI Understanding the effects of botulinum neurotoxin on neurotransmitter
 blockade in cultured spinal cord neurons.
 AU Keller, J. E. (1); Neale, E. A. (1)
 CS (1) Lab Dev Neurobiology, NICHD NIH, Bethesda, MD USA
 SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 1303.
 print.
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San
 Diego, California, USA November 10-15, 2001
 ISSN: 0190-5295.
 DT Conference
 LA English
 SL English

L6 ANSWER 17 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:536368 BIOSIS
 DN PREV200100536368
 TI Effects of botulinum neurotoxin serotype
 A on rat cortical cells profiled through oligonucleotide
 microarray analysis.
 AU Mann, T. T. (1); Jensen, M. J.; Russell, A. C. (1); Stenger, D. A.; Smith,
 L. A.; Andreadis, J. D.
 CS (1) SRIF, George Mason University, Fairfax, VA USA
 SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 1303.
 print.
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San
 Diego, California, USA November 10-15, 2001
 ISSN: 0190-5295.
 DT Conference
 LA English
 SL English

L6 ANSWER 18 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:532894 BIOSIS
 DN PREV200100532894
 TI Inhibition of acetylcholine release at an Aplysia synapse by peptides that
 mimic N-terminal domains of SNAP-25.
 AU Apland, J. P. (1); Adler, M. (1); Oyler, G. A.
 CS (1) Neurotoxicology Branch, USAMRICD, APG, Baltimore, MD USA
 SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 1301.
 print.
 Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San
 Diego, California, USA November 10-15, 2001
 ISSN: 0190-5295.
 DT Conference
 LA English
 SL English

L6 ANSWER 19 OF 60 MEDLINE
 AN 2001360054 MEDLINE
 DN 21203848 PubMed ID: 11306125
 TI Active-site mutagenesis of tetanus neurotoxin implicates TYR-375 and
 GLU-271 in metalloproteolytic activity.
 AU Rossetto O; Caccin P; Rigoni M; Tonello F; Bortoletto N; Stevens R C;
 Montecucco C
 CS Centro CNR Biomembrane and Dipartimento di Scienze Biomediche, Universita
 di Padova, Via G. Colombo 3, 35121, Padova, Italy..
 rosetto@civ.bio.unipd.it
 SO TOXICON, (2001 Aug) 39 (8) 1151-9.
 Journal code: 1307333. ISSN: 0041-0101.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200108
 ED Entered STN: 20010806
 Last Updated on STN: 20010806
 Entered Medline: 20010802

L6 ANSWER 20 OF 60 BIOSIS CC RIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2000:476248 BIOSIS
 DN PREV200000476248
 TI Persistence of botulinum neurotoxin A demonstrated by sequential
 administration of serotypes A and E in rat EDL muscle.
 AU Adler, Michael (1); Keller, James E.; Sheridan, Robert E.; Deshpande,
 Sharad S.
 CS (1) Neurotoxicology Branch, Pharmacology Division, US Army Medical
 Research Institute of Chemical Defense, Aberdeen Proving Ground, MD,
 21010-5400 USA
 SO Toxicon, (February March, 2001) Vol. 39, No. 2-3, pp. 233-243. print.
 ISSN: 0041-0101.
 DT Article
 LA English
 SL English

L6 ANSWER 21 OF 60 MEDLINE DUPLICATE 8
 AN 2001518990 MEDLINE
 DN 21449580 PubMed ID: 11565902
 TI Enzymatic autocatalysis of botulinum A neurotoxin light chain.
 AU Ahmed S A; Byrne M P; Jensen M; Hines H B; Brueggemann E; Smith L A
 CS Department of Immunology and Molecular Biology, US Army Medical Research
 Institute of Infectious Diseases, Fort Detrick, Maryland 21702-5011, USA..
 syed.ahmed@amedd.army.mil
 SO JOURNAL OF PROTEIN CHEMISTRY, (2001 Apr) 20 (3) 221-31.
 Journal code: 8217321. ISSN: 0277-8033.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200204
 ED Entered STN: 20010924
 Last Updated on STN: 20020412
 Entered Medline: 20020411

L6 ANSWER 22 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:498604 BIOSIS
 DN PREV200100498604
 TI Ganglioside derivatives as potential inhibitors of the action of
 botulinum neurotoxin serotype A
 (BoNT/A).
 AU Schengrund, C.-L. (1); Yowler, B. C. (1)
 CS (1) Department Biochemistry and Molecular Biology, The PA State University
 Medical College, Hershey, PA, 17033 USA
 SO Journal of Neurochemistry, (September, 2001) Vol. 78, No. Supplement 1,
 pp. 192. print.
 Meeting Info.: Eighteenth Biennial Meeting of the International Society
 for Neurochemistry and the Thirty-Second Annual Meeting of the American
 Society for Neurochemistry Buenos Aires, Argentina August 26-31, 2001
 ISSN: 0022-3042.
 DT Conference
 LA English
 SL English

L6 ANSWER 23 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:470982 BIOSIS
 DN PREV200100470982
 TI High-throughput assays for botulinum neurotoxin proteolytic activity:
 Serotypes A, B, D, and F.
 AU Schmidt, James J. (1); Stafford, Robert G.; Millard, Charles B.
 CS (1) Department of Cell Biology and Biochemistry, Toxinology and
 Aerobiology Division, U.S. Army Medical Research Institute of Infectious
 Diseases, 1425 Porter Street, Fort Detrick, MD, 21702-5011 USA
 SO Analytical Biochemistry, (September 1, 2001) Vol. 296, No. 1, pp. 130-137.
 print.
 ISSN: 0003-2697.
 DT Article
 LA English
 SL English

L6 ANSWER 24 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:240166 BIOSIS
 DN PREV200100240166
 TI Peptide phage display library as source for inhibitors of clostridial neurotoxins.
 AU Zdanovsky, Alexey G. (1); Karassina, Natasha V.; Simpson, Dan; Zdanovskaia, Marina V.
 CS (1) Promega Corporation, Madison, WI, 53711-5399: azdanovs@promega.com USA
 SO Journal of Protein Chemistry, (January, 2001) Vol. 20, No. 1, pp. 73-80. print.
 ISSN: 0277-8033.
 DT Article
 LA English
 SL English

L6 ANSWER 25 OF 60 USPATFULL
 AN 2000:88156 USPATFULL
 TI Compositions and methods for chemodenervation using neurotoxins
 IN Pearce, L. Bruce, 16 Partridge Cir., Hudson, NH, United States 03051
 First, Eric R., 52 N St. South, Boston, MA, United States 02127-2305
 PI US 6087327 20000711
 AI US 1998-16123 19980130 (9)
 RLI Continuation of Ser. No. US 1995-465767, filed on 6 Jun 1995, now abandoned
 DT Utility
 FS Granted
 LN.CNT 1218
 INCL INCLM: 514/002.000
 INCLS: 514/012.000
 NCL NCLM: 514/002.000
 NCLS: 514/012.000
 IC [7]
 ICM: A61K038-16
 EXF 514/2; 514/8; 514/12; 514/906; 530/350.825; 424/239.1
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 26 OF 60 PCTFULL COPYRIGHT 2002 Univentio
 AN 2000067700 PCTFULL ED 20020515
 TIEN RECOMBINANT VACCINE AGAINST BOTULINUM NEUROTOXIN
 TIFR VACCIN DE RECOMBINAISON CONTRE LA NEUROTOXINE BOTULIQUE
 IN SMITH, Leonard, A.; BYRNE, Michael, P.; MIDDLEBROOK, John, L.; LAPENOTIERE, Hugh
 PA UNITED STATES ARMY MEDICAL RESEARCH & MATERIEL CMD; SMITH, Leonard, A.; BYRNE, Michael, P.; MIDDLEBROOK, John, L.; LAPENOTIERE, Hugh
 LA English
 DT Patent
 PI WO 2000067700 A2 20001116
 DS AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
 AI WO 2000-US12890 A 20000512
 PRAI US 1999-60/133,866 19990512
 US 1999-60/133,873 19990512
 US 1999-60/133,869 19990512
 US 1999-60/133,865 19990512
 US 1999-60/133,868 19990512
 US 1999-60/133,867 19990512
 US 1999-60/146,192 19990729

L6 ANSWER 27 OF 60 PCTFULL COPYRIGHT 2002 Univentio
 AN 2000028041 PCTFULL ED 20020515
 TIEN DELIVERY OF SUPEROXIDE DISMUTASE TO NEURONAL CELLS
 TIFR APPORT DE SUPEROXYDE-DISMUTASE AUX CELLULES NEURONALES
 IN SHONE, Clifford, Charles; SUTTON, John, Mark; HALLIS, Bassam; SILMAN, Nigel

PA MICROBIOLOGICAL RESEARCH AUTHORITY; SHONE, Clifford, Char.; SUTTON,
John, Mark; HALLIS, Bassam; SILMAN, Nigel
LA English
DT Patent
PI WO 2000028041 A1 20000518
DS AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 1999-GB3699 A 19991105
PRAI GB 1998-9824282.9 19981105
ICM C12N015-53
ICS C12N015-62; C12N009-02; A61K038-44; A61K048-00; C07K014-33; A61K039-08

L6 ANSWER 28 OF 60 PCTFULL COPYRIGHT 2002 Univentio
AN 2000005252 PCTFULL ED 20020515
TIEN VACCINE COMPRISING A NON-TOXIC IMMUNOGENIC DERIVATIVE OF i(CLOSTRIDIUM
BOTULINUM) TYPE D NEUROTOXIN
TIFR VACCIN COMPORTANT UN DERIVE IMMUNOGENE NON TOXIQUE DE LA NEUROTOXINE
i(CLOSTRIDIUM BOTULINUM) DU TYPE D
IN DE BRUYN, Engela, Elizabeth; BOTHA, Adriaan, David
PA AGRICULTURAL RESEARCH COUNCIL; DE BRUYN, Engela, Elizabeth; BOTHA,
Adriaan, David
LA English
DT Patent
PI WO 2000005252 A1 20000203
DS AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG
AI WO 1999-IB1301 A 19990720
PRAI ZA 1998-98/6538 19980722
ICM C07K014-33
ICS C12N015-31; C12N015-75; C12N001-21; A61K039-08

L6 ANSWER 29 OF 60 PCTFULL COPYRIGHT 2002 Univentio
AN 2000002524 PCTFULL ED 20020515
TIEN BOTULINUM NEUROTOXIN VACCINE
TIFR VACCIN A BASE DE NEUROTOXINE BOTULINIQUE
IN LEE, John, S.; PUSHKO, Peter; SMITH, Jonathan, F.; PARKER, Michael;
DERTZBAUGH, Mark, T.; SMITH, Leonard
PA U.S. MEDICAL RESEARCH INSTITUTE OF INFECTIOUS DISEASES; LEE, John, S.;
PUSHKO, Peter; SMITH, Jonathan, F.; PARKER, Michael; DERTZBAUGH, Mark,
T.; SMITH, Leonard
LA English
DT Patent
PI WO 2000002524 A2 20000120
DS AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM
KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN
TD TG
AI WO 1999-US15570 A 19990709
PRAI US 1998-60/092,416 19980710
US 1999-60/133,870 19990512

L6 ANSWER 30 OF 60 MEDLINE
AN 2000165139 MEDLINE
DN 20165139 PubMed ID: 10699334
TI Vaccination of mice with DNA encoding a large fragment of
botulinum neurotoxin serotype A.
AU Clayton J; Middlebrook J L
CS Virology Division, US Army Medical Research Institute of Infectious
Diseases, Frederick, MD 21702, USA.

SO VACCINE, (2000 Mar 6) 18 (1855-62.
 Journal code: 8406899. ISSN: 0264-410X.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200004
 ED Entered STN: 20000421
 Last Updated on STN: 20000421
 Entered Medline: 20000413

L6 ANSWER 31 OF 60 MEDLINE DUPLICATE 10
 AN 2001131771 MEDLINE
 DN 21036270 PubMed ID: 11195972
 TI Light chain of botulinum A neurotoxin expressed as an inclusion body from
 a synthetic gene is catalytically and functionally active.
 AU Ahmed S A; Smith L A
 CS Department of Immunology and Molecular Biology, US Army Medical Research
 Institute of Infectious Diseases, Fort Detrick, Maryland 21702.
 SO JOURNAL OF PROTEIN CHEMISTRY, (2000 Aug) 19 (6) 475-87.
 Journal code: 8217321. ISSN: 0277-8033.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200103
 ED Entered STN: 20010404
 Last Updated on STN: 20010404
 Entered Medline: 20010301

L6 ANSWER 32 OF 60 MEDLINE DUPLICATE 11
 AN 2000417945 MEDLINE
 DN 20372577 PubMed ID: 10910730
 TI Production and purification of the heavy chain fragment C of
 botulinum neurotoxin, serotype A,
 expressed in the methylotrophic yeast *Pichia pastoris*.
 AU Potter K J; Zhang W; Smith L A; Meagher M M
 CS Department of Food Science and Technology, University of Nebraska-Lincoln,
 Biological Process Development Facility, Lincoln, Nebraska 68583-0919,
 USA.
 SO PROTEIN EXPRESSION AND PURIFICATION, (2000 Aug) 19 (3) 393-402.
 Journal code: 9101496. ISSN: 1046-5928.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200009
 ED Entered STN: 20000915
 Last Updated on STN: 20000915
 Entered Medline: 20000906

L6 ANSWER 33 OF 60 MEDLINE DUPLICATE 12
 AN 2001028432 MEDLINE
 DN 20399962 PubMed ID: 10940857
 TI Modeling *Pichia pastoris* growth on methanol and optimizing the production
 of a recombinant protein, the heavy-chain fragment C of botulinum
 neurotoxin, serotype A.
 AU Zhang W; Bevins M A; Plantz B A; Smith L A; Meagher M M
 CS Biological Process Development Facility, Department of Food Science and
 Technology, University of Nebraska-Lincoln, Lincoln, Nebraska 68583-0919,
 USA.. mmeagher@unl.edu
 SO BIOTECHNOLOGY AND BIOENGINEERING, (2000 Oct 5) 70 (1) 1-8.
 Journal code: 7502021. ISSN: 0006-3592.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200011
 ED Entered STN: 20010322

Last Updated on STN: 200107
Entered Medline: 20001121

L6 ANSWER 34 OF 60 USPATFULL
AN 1999:96021 USPATFULL
TI Hybrid botulinum neurotoxins
IN Johnson, Eric A., Madison, WI, United States
Goodnough, Michael C., Stoughton, WI, United States
Bradshaw, Marite, Madison, WI, United States
PA Wisconsin Alumni Research Foundation, Madison, WI, United States (U.S.
corporation)
PI US 5939070 19990817
AI US 1996-739477 19961028 (8)
DT Utility
FS Granted
LN.CNT 952
INCL INCLM: 424/194.100
INCLS: 424/239.100; 435/220.000; 435/842.000; 530/350.000; 530/402.000;
530/412.000; 530/825.000; 536/023.200; 536/023.700; 514/012.000
NCL NCLM: 424/194.100
NCLS: 424/239.100; 435/220.000; 435/842.000; 514/012.000; 530/350.000;
530/402.000; 530/412.000; 530/825.000; 536/023.200; 536/023.700
IC [6]
ICM: A61K039-385
ICS: A61K039-08; C12P021-06; C12N009-52
EXF 435/69.1; 435/172.3; 435/220; 435/252.3; 435/320.1; 435/842; 514/12;
530/350; 530/402; 530/412; 530/825; 536/23.2; 536/23.4; 536/23.7;
424/247.1; 424/194.1; 424/239.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 35 OF 60 PCTFULL COPYRIGHT 2002 Univentio
AN 1999017806 PCTFULL ED 20020515
TIEN CONJUGATES OF GALACTOSE-BINDING LECTINS AND CLOSTRIDIAL NEUROTOXINS AS
ANALGESICS
TIFR CONJUGUES DE LECTINES FIXATRICES DE GALACTOSE ET DE NEUROTOXINES
CLOSTRIDIALES, UTILISES COMME ANALGESIQUES
IN DUGGAN, Michael, John; CHADDOCK, John, Andrew
PA THE SPEYWOOD LABORATORY LIMITED; MICROBIOLOGICAL RESEARCH AUTHORITY;
DUGGAN, Michael, John; CHADDOCK, John, Andrew
LA English
DT Patent
PI WO 9917806 A1 19990415
DS AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE
SN TD TG
AI WO 1998-GB3001 A 19981007
PRAI GB 1997-9721189.0 19971008
ICM A61K047-48

L6 ANSWER 36 OF 60 MEDLINE
AN 1999386866 MEDLINE
DN 99386866 PubMed ID: 10456920
TI Pure botulinum neurotoxin is absorbed from the stomach and small intestine
and produces peripheral neuromuscular blockade.
AU Maksymowych A B; Reinhard M; Malizio C J; Goodnough M C; Johnson E A;
Simpson L L
CS Departments of Medicine and of Biochemistry and Molecular Pharmacology,
Jefferson Medical College, Philadelphia, Pennsylvania 19107, USA.
NC NS-22153 (NINDS)
RO1 AI2226-01A1 (NIAID)
SO INFECTION AND IMMUNITY, (1999 Sep) 67 (9) 4708-12.
Journal code: 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

DUPLICATE 13

EM 199910
 ED Entered STN: 19991014
 Last Updated on STN: 19991014
 Entered Medline: 19991005

L6 ANSWER 37 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2000:97469 BIOSIS
 DN PREV200000097469
 TI Botulism and military biological risk: Which approaches for medical protection.
 AU Attree, O. (1); Quesnel-Hellmann, A. (1); Michel, P. (1)
 CS (1) C.R.S.S.A., La Tronche, Grenoble France
 SO Travaux Scientifiques des Chercheurs du Service de Sante des Armees, (1999) Vol. 0, No. 20, pp. 75-76.
 ISSN: 0243-7473.
 DT Article
 LA French
 SL English; French

L6 ANSWER 38 OF 60 MEDLINE
 AN 1998427149 MEDLINE
 DN 98427149 PubMed ID: 9746584
 TI Purification, potency, and efficacy of the botulinum neurotoxin type A binding domain from Pichia pastoris as a recombinant vaccine candidate.
 AU Byrne M P; Smith T J; Montgomery V A; Smith L A
 CS Division of Toxinology, United States Army Research Institute for Infectious Diseases, Frederick, Maryland 21702-5011, USA.
 SO INFECTION AND IMMUNITY, (1998 Oct) 66 (10) 4817-22.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199810
 ED Entered STN: 19990106
 Last Updated on STN: 20021210
 Entered Medline: 19981029

L6 ANSWER 39 OF 60 MEDLINE
 AN 1998261476 MEDLINE
 DN 98261476 PubMed ID: 9596697
 TI Biophysical characterization of the stability of the 150-kilodalton botulinum toxin, the nontoxic component, and the 900-kilodalton botulinum toxin complex species.
 AU Chen F; Kuziemko G M; Stevens R C
 CS Graduate Group in Biophysics, University of California, Berkeley, CA 94720, USA.
 SO INFECTION AND IMMUNITY, (1998 Jun) 66 (6) 2420-5.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199806
 ED Entered STN: 19980708
 Last Updated on STN: 20000303
 Entered Medline: 19980625

L6 ANSWER 40 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1998:518602 BIOSIS
 DN PREV199800518602
 TI Development of recombinant vaccines for botulinum neurotoxin.
 AU Smith, Leonard A. (1)
 CS (1) Dep. Immunol. Mol. Biol., Toxinol. Div., U.S. Army Med. Res. Inst. Infect. Dis., Fort Detrick, MD 21702-5011 USA
 SO Toxicon, (Nov., 1998) Vol. 36, No. 11, pp. 1539-1548.
 ISSN: 0041-0101.
 DT Article
 LA English

L6 ANSWER 41 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1998:460372 BIOSIS
 DN PREV199800460372
 TI Development of genetically engineered vaccines for botulinum neurotoxins.
 AU Smith, Leonard A. (1)
 CS (1) Toxinol. Div., U.S. Army Med. Res. Inst. Infect. Dis., Frederick, MD
 21702-5011 USA
 SO Toxicon, (Sept., 1998) Vol. 36, No. 9, pp. 1232.
 Meeting Info.: 12th World Congress on Animal, Plant and Microbial Toxins
 Cuernavaca, Mexico, USA September 21-26, 1997
 ISSN: 0041-0101.
 DT Conference
 LA English

L6 ANSWER 42 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1998:265111 BIOSIS
 DN PREV199800265111
 TI Status of Cys residues in the covalent structure of botulinum neurotoxin
 types A, B, and E.
 AU Antharavally, Babu; Tepp, William; Dasgupta, Bibhuti R. (1)
 CS (1) Dep. Food Microbiol. and Toxicol., Univ. Wis.-Madison, Madison, WI
 53706 USA
 SO Journal of Protein Chemistry, (April, 1998) Vol. 17, No. 3, pp. 187-196.
 ISSN: 0277-8033.
 DT Article
 LA English

L6 ANSWER 43 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1999:32226 BIOSIS
 DN PREV199900032226
 TI Peptides composed of carboxy-terminal domains of SNAP-25 block
 acetylcholine release at an Aplysia synapse.
 AU Apland, J. P. (1); Biser, J. A. (1); Adler, M. (1); Ferrer-Montiel, A. V.;
 Montal, M.; Filbert, M. G. (1)
 CS (1) Neurotoxicol. Branch, USAMRICD, Aberdeen Proving Ground, MD 21010-5425
 USA
 SO Society for Neuroscience Abstracts, (1998) Vol. 24, No. 1-2, pp. 73.
 Meeting Info.: 28th Annual Meeting of the Society for Neuroscience, Part 1
 Los Angeles, California, USA November 7-12, 1998 Society for Neuroscience
 . ISSN: 0190-5295.
 DT Conference
 LA English

L6 ANSWER 44 OF 60 MEDLINE
 AN 97270456 MEDLINE
 DN 97270456 PubMed ID: 9125539
 TI Antibody mapping to domains of **botulinum neurotoxin**
serotype A in the complexed and uncomplexed forms.
 AU Chen F; Kuziemko G M; Amersdorfer P; Wong C; Marks J D; Stevens R C
 CS Graduate Group in Biophysics, University of California, Berkeley 94720,
 USA.
 SO INFECTION AND IMMUNITY, (1997 May) 65 (5) 1626-30.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199705
 ED Entered STN: 19970523
 Last Updated on STN: 19970523
 Entered Medline: 19970515

DUPLICATE 16

L6 ANSWER 45 OF 60 MEDLINE
 AN 97471287 MEDLINE
 DN 97471287 PubMed ID: 9330228
 TI Botulinum neurotoxin type A: limited proteolysis by endoprotease Glu-C
 and alpha-chymotrypsin enhanced following reduction; identification of the
 cleaved sites and fragments.

DUPLICATE 17

AU Beecher D J; DasGupta B R
 CS Department of Food Microbiology and Toxicology, University of Wisconsin,
 Madison 53706, USA.
 NC NS17742 (NINDS)
 SO JOURNAL OF PROTEIN CHEMISTRY, (1997 Oct) 16 (7) 701-12.
 Journal code: 8217321. ISSN: 0277-8033.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199711
 ED Entered STN: 19971224
 Last Updated on STN: 20000303
 Entered Medline: 19971114

L6 ANSWER 46 OF 60 MEDLINE DUPLICATE 18
 AN 97389386 MEDLINE
 DN 97389386 PubMed ID: 9246568
 TI Localization of the regions on the C-terminal domain of the heavy chain of
 botulinum A recognized by T lymphocytes and by antibodies after
 immunization of mice with pentavalent toxoid.
 AU Rosenberg J S; Middlebrook J L; Atassi M Z
 CS Department of Biochemistry, Baylor College of Medicine, Houston, TX 77030,
 USA.
 SO IMMUNOLOGICAL INVESTIGATIONS, (1997 Jun) 26 (4) 491-504.
 Journal code: 8504629. ISSN: 0882-0139.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199709
 ED Entered STN: 19971013
 Last Updated on STN: 19971013
 Entered Medline: 19970929

L6 ANSWER 47 OF 60 MEDLINE DUPLICATE 19
 AN 97241064 MEDLINE
 DN 97241064 PubMed ID: 9086464
 TI Botulinum neurotoxin serotype C: a novel effective botulinum toxin therapy
 in human.
 AU Eleopra R; Tugnoli V; Rossetto O; Montecucco C; De Grandis D
 CS Department of Neurology, Azienda Ospedaliera S. Anna, Ferrara, Italy.
 SO NEUROSCIENCE LETTERS, (1997 Mar 14) 224 (2) 91-4.
 Journal code: 7600130. ISSN: 0304-3940.
 CY Ireland
 DT (CLINICAL TRIAL)
 (CONTROLLED CLINICAL TRIAL)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199706
 ED Entered STN: 19970620
 Last Updated on STN: 20000303
 Entered Medline: 19970609

L6 ANSWER 48 OF 60 MEDLINE DUPLICATE 20
 AN 1998027161 MEDLINE
 DN 98027161 PubMed ID: 9356295
 TI Electron density projection map of the botulinum neurotoxin 900-kilodalton
 complex by electron crystallography.
 AU Burkard F; Chen F; Kuziemko G M; Stevens R C
 CS Lawrence Berkeley National Laboratory, Berkeley, California 94720, USA.
 NC GM36884 (NIGMS)
 GM51487 (NIGMS)
 SO JOURNAL OF STRUCTURAL BIOLOGY, (1997 Oct) 120 (1) 78-84.
 Journal code: 9011206. ISSN: 1047-8477.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English

FS Priority Journals
 EM 199712
 ED Entered STN: 19980109
 Last Updated on STN: 19980109
 Entered Medline: 19971204

L6 ANSWER 49 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1997:333403 BIOSIS
 DN PREV199799632606
 TI Electroporation of botulinum neurotoxin serotypes A and B into GH-3 cells:
 Substrate cleavage and growth hormone secretion.
 AU Foster, K. A. (1); Duggan, M. J.; Boyd, R. S.
 CS (1) Speywood Lab. Ltd., St. George's Hosp. Med. Sch., Cranmer Terrace,
 Tooting, London SW17 0QS UK
 SO Zentralblatt fuer Bakteriologie Supplement, (1996) Vol. 28, No. 0, pp.
 216-217.
 Meeting Info.: Seventh European Workshop on Bacterial Protein Toxins
 Hindsgavl, Denmark July 2-7, 1995
 ISSN: 0941-018X.
 DT Book; Conference
 LA English

L6 ANSWER 50 OF 60 MEDLINE
 AN 96217392 MEDLINE
 DN 96217392 PubMed ID: 8632182
 TI Ganglioside-induced adherence of botulinum and tetanus neurotoxins to
 adducin.
 AU Schengrund C L; DasGupta B R; Hughes C A; Ringler N J
 CS Department of Biochemistry and Molecular Biology, Milton S. Hershey
 Medical Center, Pennsylvania State University, Hershey 17033, USA.
 NC AI 23721 (NIAID)
 DK29808 (NIDDK)
 NS 17742 (NINDS)
 SO JOURNAL OF NEUROCHEMISTRY, (1996 Jun) 66 (6) 2556-61.
 Journal code: 2985190R. ISSN: 0022-3042.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199607
 ED Entered STN: 19960715
 Last Updated on STN: 19970203
 Entered Medline: 19960701

L6 ANSWER 51 OF 60 MEDLINE
 AN 95310035 MEDLINE
 DN 95310035 PubMed ID: 7790092
 TI Protective vaccination with a recombinant fragment of Clostridium
 botulinum neurotoxin serotype A
 expressed from a synthetic gene in Escherichia coli.
 AU Clayton M A; Clayton J M; Brown D R; Middlebrook J L
 CS Toxinology Division, U.S. Army Medical Research Institute of Infectious
 Diseases, Frederick, Maryland 21702-5011, USA.
 SO INFECTION AND IMMUNITY, (1995 Jul) 63 (7) 2738-42.
 Journal code: 0246127. ISSN: 0019-9567.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-U22962
 EM 199507
 ED Entered STN: 19950807
 Last Updated on STN: 19970203
 Entered Medline: 19950727

L6 ANSWER 52 OF 60 MEDLINE
 AN 96151333 MEDLINE
 DN 96151333 PubMed ID: 8599190
 TI Expression of a large, nontoxic fragment of botulinum

DUPLICATE 21
 DUPLICATE 22
 DUPLICATE 23

neurotoxin serotype A and : use as an immunogen.

AU LaPenotiere H F; Clayton M A; Middlebrook J L
CS Toxinology Division, U.S. Army Medical Research Institute of Infectious Diseases, Frederick, MD 21702-5011, USA.
SO TOXICON, (1995 Oct) 33 (10) 1383-6. Ref: 8
Journal code: 1307333. ISSN: 0041-0101.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199604
ED Entered STN: 19960506
Last Updated on STN: 19970203
Entered Medline: 19960419

L6 ANSWER 53 OF 60 PCTFULL COPYRIGHT 2002 Univentio
AN 1994021300 PCTFULL ED 20020513
TIEN NOVEL AGENT FOR CONTROLLING CELL ACTIVITY
TIFR NOUVEL AGENT DE REGULATION DE L'ACTIVITE CELLULAIRE
IN NORTH, John, Robert; FOSTER, Keith, Alan; QUINN, Conrad, Padraig; SHONE, Clifford, Charles
PA THE SPEYWOOD LABORATORY LTD.; PUBLIC HEALTH LABORATORY SERVICE BOARD; NORTH, John, Robert; FOSTER, Keith, Alan; QUINN, Conrad, Padraig; SHONE, Clifford, Charles
LA English
DT Patent
PI WO 9421300 A2 19940929
DS AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA US UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
AI WO 1994-GB558 A 19940318
PRAI GB 1993-9305735.4 19930319
ICM A61K047-48
ICS C07K015:00

L6 ANSWER 54 OF 60 MEDLINE
AN 94000342 MEDLINE
DN 94000342 PubMed ID: 8397793
TI Botulinum type A neurotoxin digested with pepsin yields 132, 97, 72, 45, 42, and 18 kD fragments.
AU Gimenez J A; DasGupta B R
CS Department of Food Microbiology and Toxicology, University of Wisconsin, Madison 53706.
NC NS17742 (NINDS)
SO JOURNAL OF PROTEIN CHEMISTRY, (1993 Jun) 12 (3) 351-63.
Journal code: 8217321. ISSN: 0277-8033.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Space Life Sciences
EM 199311
ED Entered STN: 19940117
Last Updated on STN: 20000303
Entered Medline: 19931102

L6 ANSWER 55 OF 60 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1993:357708 BIOSIS
DN PREV199345041133
TI Cloning and expression of peptides derived from the botulinum neurotoxin serotype A gene.
AU Dertzbaugh, M.; West, M.
CS USAMRIID, Ft. Detrick, MD
SO Abstracts of the General Meeting of the American Society for Microbiology, (1993) Vol. 93, No. 0, pp. 161.
Meeting Info.: 93rd General Meeting of the American Society for Microbiology Atlanta, Georgia, USA May 16-20, 1993

ISSN: 1060-2011.

DT Conference
LA English

L6 ANSWER 56 OF 60 MEDLINE
AN 91318262 MEDLINE
DN 91318262 PubMed ID: 1861141
TI Binding of botulinum and tetanus neurotoxins to ganglioside GT1b and derivatives thereof.
AU Schengrund C L; DasGupta B R; Ringler N J
CS Department of Biological Chemistry, M. S. Hershey Medical Center, Pennsylvania State University, Hershey 17033.
NC AI 23721 (NIAID)
NS 24545 (NINDS)
SO JOURNAL OF NEUROCHEMISTRY, (1991 Sep) 57 (3) 1024-32.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199109
ED Entered STN: 19910922
Last Updated on STN: 19970203
Entered Medline: 19910904

DUPLICATE 25

L6 ANSWER 57 OF 60 MEDLINE
AN 92106345 MEDLINE
DN 92106345 PubMed ID: 1762156
TI Crystallization and preliminary X-ray analysis of botulinum neurotoxin type A.
AU Stevens R C; Evenson M L; Tepp W; DasGupta B R
CS Gibbs Chemical Laboratory, Harvard University, Cambridge, MA 02138.
NC GM06920 (NIGMS)
NS17742 (NINDS)
SO JOURNAL OF MOLECULAR BIOLOGY, (1991 Dec 20) 222 (4) 877-80.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199202
ED Entered STN: 19920302
Last Updated on STN: 19970203
Entered Medline: 19920211

DUPLICATE 26

L6 ANSWER 58 OF 60 MEDLINE
AN 89334888 MEDLINE
DN 89334888 PubMed ID: 2667520
TI Nicking of single chain Clostridium botulinum type A neurotoxin by an endogenous protease.
AU Dekleva M L; DasGupta B R
CS Food Research Institute, University of Wisconsin, Madison 53706.
NC NS 17742 (NINDS)
NS 24545 (NINDS)
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1989 Jul 31) 162 (2) 767-72.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198909
ED Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19890907

DUPLICATE 27

L6 ANSWER 59 OF 60 MEDLINE
AN 90123077 MEDLINE
DN 90123077 PubMed ID: 2611349

DUPLICATE 28

TI Changes in the molecular topography of the light and heavy chains of type
A botulinum neurotoxin following their separation.
AU Singh B R; DasGupta B R
CS Food Research Institute, University of Wisconsin, Madison 53706.
NC NS 17742 (NINDS)
NS 24545 (NINDS)
SO BIOPHYSICAL CHEMISTRY, (1989 Nov) 34 (3) 259-67.
Journal code: 0403171. ISSN: 0301-4622.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199003
ED Entered STN: 19900328
Last Updated on STN: 19970203
Entered Medline: 19900305

L6 ANSWER 60 OF 60 MEDLINE
AN 89261689 MEDLINE
DN 89261689 PubMed ID: 2725481
TI Structure of heavy and light chain subunits of type A botulinum neurotoxin
analyzed by circular dichroism and fluorescence measurements.
AU Singh B R; DasGupta B R
CS Food Research Institute, University of Wisconsin, Madison 53706.
NC NS 17742 (NINDS)
SO MOLECULAR AND CELLULAR BIOCHEMISTRY, (1989 Jan 23) 85 (1) 67-73.
Journal code: 0364456. ISSN: 0300-8177.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198907
ED Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19890710

DUPLICATE 29